



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number **SA00081MC**

This certificate issued to: L-3 Communications Integrated Systems, L.P.
10001 Jack Finney Blvd.
Greenville, TX 75402

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product – Type Certificate Number: A24CE

Make: Textron Aviation, Inc.

Model: B300

Description of Type Design Change:

Installation of communication and surveillance equipment in accordance with (1) L-3 Communications Integrated Systems, L.P. Sealed Drawing List SDL 18231-1 Revision F dated 20 Dec 2017, (2) L-3 Flight Manual Supplement dated Nov 2017, (3) Instructions for Continued Airworthiness, L-3 Document G18231.28.08 Revision B, dated 6 December 2013 or later FAA/ODA approved revisions of (1) (2) and/or (3).

Limitations and Conditions:

- (1) The installer must determine whether this design change is compatible with previously approved modifications.

(Limitations and Conditions continued on page 3 of 4)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: 11 Feb 2011

Date reissued: 06 Nov 2012

Date of issuance: 07 Aug 2012

Date amended: 20 Dec 2017

By direction of the Administrator

Signature _____

Title ODA-750173-SW Administrator

| | | | |
|------|---|---|---|
| Page | 1 | 2 | 3 |
| Amdt | 1 | 1 | 1 |

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



*United States of America
Department of Transportation
Federal Aviation Administration*

Supplemental Type Certificate

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of Transfer:

Signature of grantor: _____

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



*United States of America
Department of Transportation
Federal Aviation Administration*

Supplemental Type Certificate

(Continuation Sheet)

Number: SA00081MC

Amendment 1 Date of Issuance: 20 December 2017

Limitations and Conditions: (Continued)

2. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
3. This airplane is restricted from flight in known icing conditions.
4. Flight Environments STC SA00085MC is a prerequisite for this STC.
5. In accordance with FAA Order 8110.101, the ALE 47 self protect flare dispensers are installed under a limited approval. The LIDAR system is installed non-operational, as safe carriage equipment.
6. This STC includes provisions for installation in the mission system equipment racks of the ARC-231 radio, Blue Force Tracker, Data Management, Primary Mission Equipment, TCDL, Ku SATCOM, TCAS II, C-band transceiver, amplifier, and diplexer. The equipment for which these provisions are intended has not been certified. Additional FAA approval is required for the installation of this equipment and must be evaluated to assure satisfactory compliance with the applicable airworthiness standards.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Textron Aviation, Inc. aircraft is as follows:

- a. The type certification basis for Textron Aviation B300 series airplanes is shown on TCDS A24CE for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, 11 February 2011, was determined to be as follows:

(Certification Basis continued on Page 4 of 4)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: SA00081MC

Amendment 1 Date of Issuance: 20 December 2017

| Para. | Amdt. | Para. | Amdt. | Para. | Amdt. | Para. | Amdt. |
|----------------------------|-------|-----------------------------|-------|--------------------------------|-------|----------------------------|-------|
| 23.23(a)(b) | 23-45 | 23.303 | 23-0 | 23.605(a)(b) | 23-23 | 23.1359(a)(c) | 23-49 |
| 23.25(b) | 23-50 | 23.305(a)(b) | 23-45 | 23.607(a)(b)(c) | 23-48 | 23.1361(a)(b)(c) | 23-49 |
| 23.29(a)(b) | 23-21 | 23.307(a) | 23-0 | 23.609(a)(b) | 23-0 | 23.1365(a)(b)(c)(d)(e) | 23-49 |
| 23.45(a)(b)(d)(e)(f)(g)(h) | 23-62 | 23.321(a)(b)(c) | 23-45 | 23.611 | 23-48 | 23.1367(a)(b)(c)(d) | 23-0 |
| 23.45(h)(4) | 23-50 | 23.331(a)(b) | 23-42 | 23.613(a)(b)(c)(d)(e) | 23-45 | 23.1381(a)(b)(c) | 23-0 |
| 23.51(c) | 23-50 | 23.333(a)(b)(c)(d) | 23-34 | 23.619 | 23-7 | 23.1401(a)(b) | 23-49 |
| 23.53(c) | 23-62 | 23.335(a)(b)(c)(d) | 23-48 | 23.625(a)(b)(c)(d) | 23-7 | 23.1411(a)(b) | 23-36 |
| 23.55(a)(b) | 23-62 | 23.337(a)(b) | 23-48 | 23.627 | 23-0 | 23.1413(a)(c) | 23-22 |
| 23.57(a)(b)(c)(d)(e) | 23-62 | 23.341(a)(c) | 23-48 | 23.629(a)(b) | 23-31 | 23.1415(a)(b)(d) | 23-0 |
| 23.59(a) | 23-62 | 23.347(a) | 23-48 | 23.771(a) | 23-14 | 23.1431(a)(b)(c)(e) | 23-49 |
| 23.61(a)(b)(c) | 23-62 | 23.351 | 23-42 | 23.783(a)(c)(3)(4)(e)(2) | 23-49 | 23.1441(a)(b)(c)(d)(1)(e) | 23-43 |
| 23.63(a) | 23-62 | 23.365(a)(b)(d) | 23-0 | 23.785(a)(b)(f)(g)(2)(i)(j)(l) | 23-34 | 23.1447(a)(d)(e)(f) | 23-49 |
| 23.63(d) | 23-50 | 23.367(a)(b) | 23-7 | 23.787(a)(b) | 23-49 | 23.1449 | 23-9 |
| 23.67(c) | 23-50 | 23.441(a)(c) | 23-48 | 23.803(a)(b) | 23-46 | 23.1501(a)(b) | 23-21 |
| 23.69(a)(b) | 23-50 | 23.443(a)(b)(c) | 23-48 | 23.807(a)(1)(b)(c)(d)(2)(4)(i) | 23-49 | 23.1524 | 23-10 |
| 23.77(c) | 23-62 | 23.471 | 23-0 | 23.811(a)(c) | 23-46 | 23.1525 | 23-0 |
| 23.141 | 23-17 | 23.473(a)(b)(c)(d)(e)(f)(g) | 23-28 | 23.813(a)(b) | 23-46 | 23.1529 | 23-26 |
| 23.143(a)(b)(c) | 23-17 | 23.479(a)(b)(c) | 23-17 | 23.815(b) | 23-46 | 23.1541(a)(b) | 23-21 |
| 23.147(a)(b) | 23-0 | 23.481(a)(b) | 23-0 | 23.853(a)(c)(d) | 23-49 | 23.1555(a) | 23-50 |
| 23.171 | 23-0 | 23.483 | 23-0 | 23.863(a)(b)(d) | 23-34 | 23.1557(a)(c)(i)(ii)(d)(e) | 23-45 |
| 23.177(a) | 23-21 | 23.485(a)(b)(c) | 23-0 | 23.867(a)(b)(c) | 23-49 | 23.1559(a)(c) | 23-21 |
| 23.181(a)(b) | 23-21 | 23.493(a)(b)(c) | 23-0 | 23.1301(a)(b)(c)(d) | 23-20 | 23.1561(a)(b) | 23-0 |
| 23.201(a)(b)(c)(d)(e) | 23-50 | 23.561(a)(b)(c)(e) | 23-34 | 23.1307 | 23-49 | 23.1581(a)(b)(c)(d)(f) | 23-50 |
| 23.207(c) | 23-50 | 23.573(a)(b) | 23-48 | 23.1309(a)(b)(c)(d)(e)(f) | 23-49 | 23.1583(c)(4)(5) | 23-50 |
| 23.233(b)(c) | 23-0 | 23.574(a) | 23-48 | 23.1321(a)(c)(e) | 23-49 | 23.1583(m) | 23-62 |
| 23.251 | 23-45 | 23.575 | 23-48 | 23.1322(a)(b)(c)(d)(e) | 23-43 | 23.1585(a)(1)(c)(1)(j) | 23-50 |
| 23.253(b)(c) | 23-50 | 23.601 | 23-0 | 23.1351(a)(b) | 23-49 | 23.1587(a)(2)(d)(2)(7)(8) | 23-62 |
| 23.301(a)(b)(c) | 23-48 | 23.603(a)(b) | 23-23 | 23.1357(a)(b)(c)(d) | 23-43 | | |

-----END-----

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).